

[Method to Build a Control System based on Control Cells]

Abstract of Disclosure

The present invention relates to a method to implement any control system based on the logical association of identical single control devices (called control cells). Control cells are versatile control devices with basic processing capabilities that can be dynamically programmed and configured to perform any simple task. Control cells may be combined to form logical control device associations (called control tissues), which are complex control structures capable of carrying out complex tasks. This method of control system design and implementation has several outstanding advantages over the usual manner in which control systems are designed, including a significant reduction of both system complexity and system production/maintenance costs.

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